



Matt Blunt, Governor • Doyle Childers, Director

## DEPARTMENT OF NATURAL RESOURCES

[www.dnr.mo.gov](http://www.dnr.mo.gov)

DEC 15 2006

Mr. Harley Skidmore  
Schreiber Foods Inc. - Monett  
#10 Dairy Street  
Monett, MO 65708

RE: New Source Review - Temporary Permit  
Project Number: 2006-11-075, Installation ID Number: 009-0021  
Temporary Permit Number: **122006 - 013**  
Expiration Date: December 31, 2007.

Dear Mr. Skidmore:

The Missouri Department of Natural Resources' Air Pollution Control Program (APCP) has completed a review of your request, dated November 14, 2006. The request was for a construction permit to combust bio-fuel oil from Renewable Environmental Solutions, LLC (RES) in Boiler #1 on a trial basis at Schreiber Foods Inc. - Monett. The APCP has determined that a temporary permit is required and is hereby granting one according to 10 CSR 10-6.060(3).

Combustion of the bio-fuel is expected to lead to an increase in emissions of nitrogen oxides (NO<sub>x</sub>). Schreiber Foods Inc. shall limit emission of NO<sub>x</sub> from the combustion of bio-fuel to below 100 tons per year by limiting the amount of bio-fuel combusted to no more than 1,313,470 gallons per year.

Emissions of all other criteria pollutants are below 100 tons per year when NO<sub>x</sub> emission is limited to less than 100 tons per year. A summary of emissions is shown in Table 1 below.

Table 1. Summary of Emissions (tons per year)

Pollutant	Emission Factor (lb/gallon)	Emissions (tons per year)
PM <sub>10</sub>	0.0100	6.57
SO <sub>x</sub>	0.0318	20.88
NO <sub>x</sub>	0.1523	100.00
VOC	0.0013	0.84
CO	0.0050	3.28



Recycled Paper

Mr. Harley Skidmore  
Page Two

Schreiber Foods Inc. shall maintain an accurate record of NO<sub>x</sub> emitted into the atmosphere from Boiler #1 as a result of combusting bio-fuel. Attachment A or an equivalent form, shall be used for this purpose and shall be made available immediately to any department personnel upon request.

The NO<sub>x</sub> emission factor for the bio-fuel used in this analysis was determined as 1.2085 lb NO<sub>x</sub>/MMBtu heat input. This emission factor was arrived at using data supplied in your initial letter and on the subsequent data you provided based on studies of Thermal Conversion Process (TCP) fuel combustion conducted at Brookhaven National Laboratory. The NO<sub>x</sub> emission factor was corrected for a nitrogen level of 2.46 wt% for the RES TCP fuel.

Should Schreiber Foods Inc. wish to burn bio-fuel on a permanent basis beyond the expiration date of this permit, a construction permit application and additional review by the APCP will be required. Emissions testing may also be required.

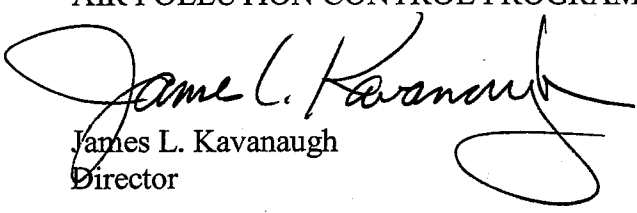
You are still obligated to meet all applicable federal, state, or local agency regulations. Please pay specific attention to 10 CSR 10-3.030, *Open Burning Restrictions*, 10 CSR 10-3.090, *Restriction of Emission of Odors*, 10 CSR 10-6.170, *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, and 10 CSR 10-6.220, *Restriction of Emissions of Visible Air Contaminants*.

A copy of this letter should be kept on site for the duration of the temporary permit and be made available to department personnel upon request.

Should you have further questions or need additional information regarding this temporary permit, please contact Maurice Chemweno with the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102, or you may telephone (573) 751-4817. Thank you for your time and cooperation.

Sincerely,

AIR POLLUTION CONTROL PROGRAM



James L. Kavanaugh  
Director

JLK:mcl

c: Mr. Steve Feeler, Compliance/Enforcement Section  
Southwest Regional Office  
PAMS File: 2006-11-075